# 14th June, 2024

# 1. <u>NEET-UG Results Controversy</u> Recent events of importance

#### Why in News:

- On June 13th, the Supreme Court was reviewing petitions challenging the award of grace marks to 1,563 candidates from six NEET centres who experienced technical issues and weren't given the full 3.2 hours to complete the exam.
- These grace marks were awarded based on a court order and a recommendation from a committee formed by the National Testing Agency (NTA).
- Petitioners argued that the grant of grace marks was arbitrary and lacked transparency.

#### Union Government's Stand:

■ The Union government informed the Supreme Court that the scorecards of 1,563 candidates who received grace marks in the NEET-UG 2024 exam on May 5 will be cancelled.

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The allegations over NEET-UG, 2024

- These candidates will have the opportunity to retake the exam on June 23, with results expected by June 30 and counselling starting on July 6.
- The affected candidates will be notified of their actual scores without the grace marks and can choose to either take the re-test or accept their revised scores as final.

#### About National Eligibility cum Entrance Test (NEET):

- The NEET (National Eligibility cum Entrance Test) is an entrance examination for students who wish to pursue undergraduate medical courses (MBBS/BDS) and postgraduate courses (MD/MS) in government or private medical colleges.
- **Objective**: To standardize the admission process for medical and dental courses across India, ensuring a uniform evaluation of candidates' eligibility.
- The National Testing Agency (NTA) conducts NEET on behalf of the Ministry of Education.

#### About National Testing Agency (NTA):

- The NTA is an autonomous organization in India responsible for conducting entrance examinations for higher educational institutions.
- The NTA was established in November 2017 by the Ministry of Education to standardize and streamline the conduct of entrance exams across the country.
- Objective: To improve the quality and transparency of entrance examinations, ensuring fairness and efficiency in the assessment process.

#### ■ Functions:

- ◆ Conducting Exams: The NTA conducts various national-level entrance examinations for admission to undergraduate and postgraduate programs.
- ◆ **Developing Question Papers**: The NTA is responsible for developing high-quality question papers.
- ◆ **Result Processing**: The NTA processes examination results efficiently, ensuring timely release of scores and ranks.
- Headquarters: New Delhi
- Overall, the National Testing Agency plays a crucial role in India's education system by providing a reliable, transparent, and efficient framework for conducting entrance examinations.

# About the NEET-UG Results Controversy:

- On June 4, the National Testing Agency (NTA) released the results for the National Eligibility-cum-Entrance Test, Undergraduate (NEET UG) 2024 examination.
- Approximately 2.4 million candidates participated in the NEET UG test held on May 5 across 571 cities, including 14 centers outside India.

■ The exam sought to fill the **1,08,940 available MBBS seats** distributed among more than 700 medical institutions nationwide.

#### ■ Allegations:

- ◆ Post evaluation, there have been complaints about the unusually high number of students (67) who hit the perfect score of 720/720.
- Also, there are complaints about students who scored "statistically impossible" marks, while some cases of cheating by proxy were also reported.
- ◆ Other cases pertaining to the question paper leak are still to be heard by the Supreme Court.
- These charges led to nationwide protests from students and political parties.
- Both groups are demanding a fair investigation and a fresh NEET exam, citing concerns about a question paper leak that may have given some students an unfair advantage.
- Experts and students argue that the integrity of NEET, designed to regulate medical admissions and ensure quality, was compromised by these reported violations.

#### NTA's Response:

- NTA officials attributed the unusually high number of full scores to an "easy paper".
- However, it has formed a four-member committee to investigate the allegations.
- The committee found that awarding compensatory marks to 1,563 students created a "skewed situation."
- They noted that grace marks should have been limited to attempted questions and recommended canceling the test for these students.

#### Conclusion:

- Students and education experts are dissatisfied with canceling the NEET exam for only 1,500 students, arguing that this acknowledges an error and the entire May 5 exam should be re-conducted for all candidates.
- They claim this partial cancellation indicates a failure of the system and has led to a loss of faith, as expressed on social media.
- Critics argue that instead of ensuring fair competition, the current conduct of NEET has created additional layers of privilege.
- Given the exam's large scale, with over 23 lakh students across 4,500 centers in multiple languages, minor issues are expected.
- However, after nearly a decade, it's reasonable to expect that the exam's initial problems should be resolved.
- They believe that preventing fraud and ensuring fair administration should be possible for government agencies.

# 2. <u>China's Grey-Zone Warfare Tactics Against Taiwan</u> <u>GS 2 (International events of importance)</u>

Why in news: China has adopted sophisticated grey-zone warfare tactics against Taiwan following the inauguration of new Taiwanese President Lai Ching-te, who has made pro-independence and secessionist statements.

China's 'grey-zone' warfare

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The option of the inauguration of new Taiwanese President Lai Ching-te, who has made pro-independence and secessionist statements.

tactics against Taiwan

#### Grey zone warfare

#### About

- Grey zone warfare generally means a middle, unclear space that exists between direct conflict and peace in international relations.
- Multitude of activities fall into this zone from nefarious economic activities, influence operations, and cyberattacks to mercenary operat
  - operations, and cyberattacks to mercenary operations, assassinations, and disinformation campaigns.
- Other experts include economic actions too, such as debt traps and economic sanctions.

#### **■** Features

- Activities in the grey zone have always been a feature of great-power competition.
- Proxy wars, destabilizing insurgencies, legal warfare (lawfare), and information warfare—by adversaries and allies alike—have been a feature of this conflict.
- ◆ Experts claim that such methods are often employed by parties who have not had access to massive resources or power, traditionally. Therefore, such tactics can help gain an advantage over a more technically well-equipped adversary that is more used to conventional warfare.

#### ■ Origin

- Experts believe the Cold War era, which began after the end of the Second World War in 1945, led to conditions that favoured grey zone warfare.
- ◆ Amid the US-USSR rivalry for ideological and economic dominance, the knowledge that both parties were armed with nuclear weapons meant direct conflicts had to be restrained.
- ◆ In today's nuclear age, the price of traditional wars has become too high, and the danger of things getting worse is very serious.
- ◆ Because of this, countries are trying to achieve their goals by being aggressive in secret or by hiding.

#### Examples of grey zone warfare

- Experts from the US and Europe have characterised certain Russian and Chinese actions of late as examples of grey zone warfare.
- It includes the Chinese military's presence in the South China Sea.
  - ◆ The Philippines is one of the countries which has challenged China's claims, extending over around 80 per cent of the region.
  - ◆ In December 2023, it termed the presence of more than 135 Chinese maritime militia vessels near a disputed reef as illegal.
  - It accused China of firing water cannons at its boats and ramming into others, while the Chinese coast guard blamed the Philippines for hitting Chinese boats.
- A recent Reuters report mentioned that Taiwan has been expressing concerns for the past four years about increased military actions by China.
  - ◆ This includes Chinese fighter jets flying over the strait regularly.
  - It is part of China's strategy to pressure Taiwan with activities that fall just short of starting a full-scale conflict.
- Analysts claim that the US has also engaged in similar tactics.
  - ◆ These include its economic sanctions against China and imposition of duties on Chinese imports to the US, along with maritime reconnaissance.

#### Grey zone warfare - a separate category of action

- The challenges that grey zone warfare poses differ from those of an open conflict.
  - ◆ Here, action is often covert or indirect, meaning a country's response needs to be appropriate in terms of its scale.
  - These actions could be designed to bait the other party into escalation.
  - ◆ If this happens, the use of force would then be legitimised as a form of self-defence or response in kind to what the other party does.
- Other reasons for engaging in such tactics include the projection of strength, and to normalise disputed territorial claims by repeatedly marking a presence in those regions.
- Judging by its appearance, grey zone conflict seems mild when compared to traditional strategic competition.
- However, the limited intensity does not make grey zone conflict less vicious.
- Rather than escalate in one-dimension, grey zone conflict tends to escalate in multiple dimensions and leads to unintended over-escalation, creating a nightmare for crisis management.

#### China's Grey-Zone Warfare Tactics Against Taiwan

■ New Taiwanese President Lai Ching-te's tenure is marked by pro-independence and secessionist statements. As a result, China has shifted to sophisticated grey-zone warfare tactics targeting Lai's Democratic Progressive Party (DPP).

#### Tactics employed by China

- ◆ These tactics include psychological operations, simulated invasion scenarios, and economic measures aimed at weakening Taiwan without direct military engagement.
- ◆ The PLA Eastern Theater Command conducts training drills to demonstrate combat readiness, while 3D animations and videos depict potential missile strikes.
- China also employs **cognitive tactics**, such as disseminating propaganda videos and fliers within Taiwanese territories to influence public opinion and create ideological divisions.
- Economically, China has **suspended preferential tax rates** for Taiwanese chemical imports to leverage economic interdependence for political concessions.
- These measures continuously pressure and destabilize Taiwan, challenging President Lai's administration to navigate and counter these grey-zone tactics effectively.

# 3. <u>G7 Summit in Italy - Leaders agree to lend Ukraine</u> GS 2 (International events of importance)

#### Why in news:

■ The Group of Seven (G7) countries are meeting for the Leaders' Summit in Italy's Apulia region between June 13

and 15. Italy had assumed the group's presidency earlier this year. Prime Minister Narendra Modi is also attending the summit as India has been invited as an Outreach Country. This visit will mark his first foreign trip in his third term as Prime Minister.

During the first day, the participating leaders have agreed to engineer a \$50 billion loan to help Ukraine in its fight for survival.

#### • G7

#### ■ Origin

- The origin of G7 lies in the oil shocks of 1973 and the corresponding financial crisis.
- In order to address the situation after oil shock, the heads of the world's six leading industrial nations decided to hold a meeting in 1975.
- These six nations were US, UK, France, Germany (West), Japan and Italy.
- ♦ These countries were joined by Canada in 1976.

#### ■ Current Members: US, UK, Canada, France, Germany, Italy and Japan

- The world.
- The European Union is also represented within the G7.

#### ■ Purpose of G7

- ◆ To determine the course of multilateral discourse
- ◆ To shape political responses to global challenges.
- ◆ It provides a platform to discuss and coordinate solutions to major global issues, especially in the areas of trade, security, economics, and climate change.

#### ■ Power of G7

- The G7 is **not based on a treaty** and has **no permanent secretariat or office**. The agenda of G7 is set by the presiding nation.
- ♦ It cannot pass any laws because it is made up of separate nations with their own democratic processes. However, decisions taken by G7 have global effects as the member countries are political and economic heavyweights.

#### ■ G7 & G8

- ◆ In 1998, Russia was formally inducted in the group, which transformed G7 into G8.
- ♦ However, Russia annexed Crimea in 2014. As a result, it was suspended from the grouping. Hence, the group became G7 again in 2014.

#### Significance of G7

#### **■** Economic Significance

- ◆ G7 nations account for
  - ~ 60% of global net wealth
  - ~ 30% of global gross domestic product, and
  - ~ 10% of the world's population.

#### ■ Political Significance

♦ In 1999, it created the Financial Stability Forum in order to manage the international monetary system



- ◆ 47th summit in June 2021 had focused on the recovery from ongoing COVID-19 pandemic. It promised to **distribute 1 billion vaccines** to poorer countries.
- Its theme was Global Action to Build Back Better.

#### ■ Developmental Significance

- G-7 provided \$300 million in 1997 to help build the containment of the reactor meltdown at Chernobyl.
- G7 played crucial role in setting up a global fund to fight malaria and Aids in 2002.
- ◆ In October 2020, G7 finance ministers backed an extension of a G20 bilateral debt relief initiative for the world's poorest countries

## Criticism of G7

#### ■ Declining economic might

- ◆ The relevance of G7 has been questioned in recent years as the combined share of its members in global GDP has fallen.
- ◆ The economic growth of China, India and other emerging economies has led to calls for a more representative global governance structure.
- ◆ In comparison, the G20, which was established in response to the 2008 financial crisis, is seen as a more inclusive forum.

#### ■ G7's ability to achieve cooperation within the group

◆ Then US President Donald Trump was often at odds with other G7 leaders and at the 2019 summit, he skipped a meeting on climate issues.

## ■ Proposal to reconfigure the group

◆ Leaders had proposed a reconfigured G7+, which would include a common euro-zone representative and make space for China, India, and Brazil.

#### Agenda at the 2024 G7 summit

- The summit aims to coordinate economic policies to stabilise the global economy amidst concerns over inflation and trade tensions.
- It will focus on addressing climate change by discussing strategies to reduce carbon emissions and promote sustainable energy sources.
- With climate records tumbling recently, collective action is key to addressing such problems.
- In light of the lessons learned from the Covid-19 pandemic, the G7 will prioritise global health initiatives, including pandemic preparedness and vaccine distribution.
- Additionally, the summit will address geopolitical tensions, including relations with China and Russia, and ongoing conflicts with global implications.

## \$50 billion loan to Ukraine

- During the ongoing G7 summit in Italy, the participating leaders agreed to engineer a \$50 billion loan to help Ukraine in its fight for survival.
- Interest earned on profits from Russia's frozen central bank assets would be used as collateral.
- The US and its allies immediately froze whatever Russian central bank assets they had access to when Moscow invaded Ukraine in 2022.
- That basically was money being held in banks outside Russia.
- Most of the money would be in the form of a loan mostly guaranteed by the US government, backed by profits being earned on roughly \$260 billion in immobilised Russian assets.
- The vast majority of that money is held in European Union nations.

#### 4. Great Nicobar Island

#### Recent events of importance

- Why in News: A delegation of the Central Government recently visited Great Nicobar, the site for the Rs. 750000 crore greenfield composite project centered around a transshipment port.
- About Great Nicobar Island:
  - It is the **southernmost island of the Nicobar Islands** Archipelago, located in the southeast of the Bay of Bengal.
  - It is the **largest** of the Nicobar group of islands, spanning 1,045 square kilometers.
  - **Headquarters:** Campbell Bay
  - Indira Point, situated in Campbell Bay, is the southernmost point of India and is only about 150 km from Sumatra, Indonesia.

- The population consists mostly of two indigenous communities: **Shompen**, a largely nomadic hunter-gatherer Particularly Vulnerable Tribal Group, and **Nicobarese**, a semi-traditional Scheduled Tribe.
- It has **tropical wet evergreen forests**, hill ranges nearly 650 m high, and coastal plains.
- A large portion of the island is covered by dense forests, which are home to a variety of endemic biodiversity, including the Nicobar megapode, the Nicobar tree shrew, and the Nicobar long-tailed macaque.
- The only biosphere reserve in the Andaman and Nicobar Islands, the **Great Nicobar biosphere** reserve encompasses a large part (some 85%) of the island.
- The island also comprises a hill range with its highest point being around 642 meters above sea level at Mount Thuillier.
- The region also has **coral reefs** with varied thicknesses and diversity.
- The island has many rivers, such as the Alexandra, Dogmar, Galathea, and Amrit Kaur, all of which flow in a southwestern or southern direction, which in turn signifies the southern slope of the island.

## 5. Lipulekh Pass

# **Recent events of importance**

- Why in News: Indian traders involved in border trade with China through the Lipulekh pass have requested the central government to take up the issue of resumption of border trade through this route.
- About Lipulekh Pass:
  - It is a high-altitude mountain pass located in the Kumaon region of Uttarakhand, near the tri junction of India, Nepal and China.
  - It links the Indian state of **Uttarakhand with the Tibet region** of China.
  - It lies at an altitude of approximately 5,334 meters (17,500 feet).
  - The pass is renowned for its challenging terrain, marked by steep ascents and rugged landscapes.
  - Its elevation and strategic location make it a gateway to the higher reaches of the Himalayas.
  - Ancient Trade Route: It has been utilized for centuries as a trade route, connecting the Indian subcontinent with the Tibetan plateau.
  - Religious Significance: The pass also has religious significance, being an integral part of the Kailash Mansarovar Yatra, a sacred pilgrimage for Hindus.
  - Devotees undertake this arduous journey to reach Mount Kailash, considered the abode of Lord Shiva, and the nearby Mansarovar Lake.
  - It is the first Indian border post opened for trade with China in 1992.
  - This was followed by the opening of Shipki La Pass, Himachal Pradesh in 1994 and Nathu La Pass, Sikkim in 2006.

#### 6. Standards applied in death sentence cases

## **Recent events of importance**

- Why in News: President Murmu has rejected a mercy petition filed by Pakistani national Mohammed Arif who was sentenced to death for the December 22, 2000 terrorist attack at the Red Fort in which three people including two Army jawans were killed.
- More on News:
  - The court has reaffirmed the "rarest of rare" standard in several decisions.
  - The Report of the **262nd Law Commission**, published in 2015, recommended the "absolute abolition" of the death penalty "for all crimes other than terrorism related offences and waging war"
  - Constitutional Provisions:
  - Article 21 (Right to Life and Personal Liberty) guarantees the right to life and personal liberty.
  - Any deprivation of this right must follow the procedure established by law.
  - Article 72 and Article 161 provide the President and Governors with the power to grant pardons, reprieves, respites, or remissions of punishment or to suspend, remit, or commute the sentence of any person convicted of any offence.
  - Judicial Principles:
  - Rarest of the Rare Doctrine: Established in the landmark case of Bachan Singh v. State of Punjab (1980), the Supreme Court of India held that the death penalty should only be awarded in the "rarest of the rare" cases, where the alternative option is unquestionably foreclosed.

- Proportionality and Balancing Aggravating and Mitigating Circumstances: Courts must weigh aggravating circumstances (such as the nature and gravity of the crime) against mitigating circumstances (such as the socioeconomic background, age, or mental condition of the offender) before deciding on the death penalty.
- Judicial Review and Confirmation: The death sentence pronounced by a trial court must be confirmed by the High Court.
- Further, the Supreme Court can review the case, and there are provisions for mercy petitions to the President and Governors.
- Statutory Provisions:
- Indian Penal Code (IPC), 1860: Specifies offenses that are punishable by death, including murder (Section 302), treason (Section 121), terrorism-related offenses (Section 121A), and others.
- Code of Criminal Procedure (CrPC), 1973: Provides procedural safeguards for the accused in death penalty cases, such as the requirement for the sentence to be confirmed by a higher court (Section 366) and the right to appeal (Section 374).
- Special Laws: Certain special legislations, such as the Terrorist and Disruptive Activities (Prevention) Act (TADA), Narcotic Drugs and Psychotropic Substances Act (NDPS), and Protection of Children from Sexual Offences Act (POCSO), also prescribe the death penalty for specific crimes.

# 7. Nagastra GS 2 (Security)

- Why in News: The army has got its first indigenous man-portable suicide drones that are designed to target enemy
  training camps, launch pads and infiltrators with precision, without endangering the lives of soldiers.
- About:
  - The Indian army has integrated the Nagastra 1 loitering munition, designed by Economic Explosives Limited (EEL), as its first indigenous man-portable suicide drone.
  - These drones enhance the army's **precision strike capabilities** against enemy training camps and infiltrators, with a focus on reducing dependence on imports and promoting self-reliance in defence technology.
  - With the **potential for exports to friendly nations,** Nagastra 1 showcases India's advancement in developing cost-effective solutions for modern warfare.
  - Key Features:
  - The Nagastra-1 is fully designed and developed in India, with an indigenous content of over 75%.
  - The drone can carry out GPS-enabled precision strikes with an accuracy of 2 meters and has a range of almost 30 km.
  - The drone has a low acoustic signature and electric propulsion, making it a silent killer.
  - The drone has a **parachute recovery** mechanism, which can bring back the munition in case of an aborted mission, enabling it to be used multiple times.
  - The drone weighs 6 kg and can stay airborne for up to 60 minutes.

# 8. Ozone-Depleting Substances (ODS)

# **GS 3 (Environment)**

- Why in News: A new study released June 11, 2024, has reported the first significant decrease in atmospheric concentrations of potent ozone-depleting substances (ODS) known as hydrochlorofluorocarbons (HCFCs).
- More on News:
  - Ozone-Depleting Substances (ODS) are chemicals that cause the depletion of the stratospheric ozone layer.
  - This layer is crucial for protecting life on Earth by absorbing the majority of the sun's **harmful ultraviolet (UV)** radiation.
  - The most common ODS include chlorofluorocarbons (CFCs), Halons, Carbon Tetrachloride and Methyl Chloroform.
  - ODS are substances commonly used in refrigerators, air conditioners, fire extinguishers and aerosols.
- The Montreal Protocol:
  - The Montreal Protocol, signed in **1987**, is a global agreement to **protect the stratospheric ozone layer** by eliminating the production and consumption of ODSs like chlorofluorocarbons (**CFCs**).
  - The worldwide production of CFCs has been prohibited since 2010.

- Kigali Amendment to Montreal Protocol:
  - In 2016, Parties to the Montreal Protocol adopted the **Kigali Amendment** to phase down the production and consumption of hydrofluorocarbons (HFCs) worldwide.
  - HFCs are widely used alternatives to ODS such as hydrochlorofluorocarbons (HCFCs) and chlorofluorocarbons (CFCs), already controlled under the Protocol.

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# 9. <u>Kavli Prize</u>

# **Recent events of importance**

- Why in News: The winners of the 2024 Kavli Prize were announced on Wednesday. Eight winners were awarded for their contributions to astrophysics, neuroscience and nanoscience.
- More on News:
  - It is awarded in honour of **Norwegian-American** businessman and philanthropist **Fred Kavli** (1927-2013)
  - The Kavli Prizes are awarded in **three areas**: astrophysics, nanoscience and neuroscience the largest, the smallest, and the most complex. The inaugural prize was announced in **2008**.
  - Winners in 2024:
    - ◆ **ASTROPHYSICS**: This year's prize for astrophysics has been awarded to David Charbonneau, and Sara Seager for **discoveries of exoplanets**, and the characterisation of their atmosphere.
    - ◆ NANOSCIENCE: Robert Langer, Armand Paul Alivisatos, and Chad Mirkin were given the prize for nanoscience for biomedical applications breakthroughs.
    - ♦ NEUROSCIENCE: The prize in neuroscience has been awarded to Nancy Kanwisher, Winrich Freiwald, and Doris Tsao for their collective effort over decades to map the linkage between facial recognition and the brain.

Ph: 9100791003 Email: iasncsc@gmail.com

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# MCQ Current Affairs 14<sup>th</sup> June, 2024

# 1. Indira Point, the southernmost point of India, is located on which one of the following islands?

- a) Little Andaman Island
- b) Great Nicobar Island
- c) Car Nicobar Island
- d) Middle Andaman Island

# 2. The term "Nagastra", recently seen in the news, refers to:

- a) a newly developed anti-tank guided missile
- b) an advanced weather satellite
- c) a next-generation ballistic missile defense system
- d) the first indigenous man-portable suicide drone

# 3. "Rarest of the Rare Doctrine" applied in the death sentence was established in which one of the following cases by Supreme Court of India?

- a) Bachan Singh v. State of Punjab (1980)
- b) Dhananjoy Chatterjee v. State of West Bengal (1994)
- c) Kehar Singh v. Union of India (1989)
- d) State of Tamil Nadu v. Nalini (1999)

#### 4. A hawkish stance is when the central bank:

- a) tends to favor lower interest rates
- b) tends to favor higher interest rates
- c) focuses on reducing trade deficits
- d) encourages increased government spending

#### 5. "Kavli Prizes", recently seen in the news, are awarded for?

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- a) Literature, peace and economics
- b) Environmental science, public health and engineering
- c) Astrophysics, nanoscience and neuroscience
- d) Mathematics, computer science and biology

# Answers Current Affairs 14<sup>th</sup> June, 2024

